



Jim Dulley

Thank you for your interest in writing to me about towel warmers and other heaters to make your bathroom more comfortable. This can save energy overall because many people set the furnace thermostat higher in the morning to compensate for the chilly feeling. Each de-

gree that you set your furnace thermostat higher can increase your heating bills by 1% to 2%.

Manufacturers of many designs of towel warmers are listed on page 4 along with details about their products. Most models are electrically-powered because these are so easy to install. Hard-wired means that it is wired to a conduit box, not just plugged in a standard outlet. Hard-wired models will require more installation work, but it gives a more finished appearance. Myson has one of the most complete product lines and its products are very high quality. Its oil-filled design provides even heating. Hinge-it makes the easiest-to-install model that mounts on the door hinges. When the door is opened, the towel warmer is hidden.

If you have hot water (hydronic) heat in your house, Myson and Runtel make towel warmers that are heated by hot water. The hot water flows through the towel warmer tubing. These are easiest to install in new construction. Myson has a model designed

to be attached to a mini-electric water heater (see below). These hydronic units can actually add substantial heat to your bathroom.

For the most convenience and efficiency, select a model with a timer. Depending on the wattage of the towel warmer, it can take 15 to 30 minutes to warm the towels adequately. The programmable timer will start the warmer before you get up in the morning so that the towels are warm when you are finished showering.

Another bathroom comfort option is adding a heater/vent fan. I have listed the highest quality and most efficient models on pages 2 and 3. For smaller bathrooms, a radiant infrared light bulb type is adequate. For larger bathrooms, a convection (fan) type of bathroom vent/heater is your best option. I like the Nutone and Broan models best. Nutone makes the "QT series" that is very quiet. A night light option is available too. Broan has the most complete product line and has a decorative model with real oak trim.

Selected Manufacturers of Vent-Free Wall or Freestanding Gas Bathroom Heaters*

DESA INTERNATIONAL, PO Box 90004, Bowling Green, KY 42102 - (502) 781-9600

model - "CG6"

heating capacity - 6,000 Btuh

sizes - 13-1/2" w x 21-1/2" h x 7" d

features - There are two heat settings - low of 4,000 or high of 6,000 Btuh. The heater will warm a room up to 200 sq. ft. Available in natural gas or propane. It has an ivory finish.

EMPIRE COMFORT SYSTEMS, 918 Freeburg Ave., Belleville, IL 62222 - (800) 851-3153

model - "SR-6"

heating capacity - 6,000 Btuh

sizes - 11-7/8" w x 22" h x 6-1/2" d

features - The heater has a 3-year limited warranty. Equipped with automatic shut-off and an oxygen depletion sensor. Available in a beige or brown finish. Natural or LP gas. Does not require electricity for operation so the heaters will work in a power outage.

RINNAI, 1662 Lukken Industrial Dr. W., LaGrange, GA 30240 - (800) 621-9419

model - "Equator REH-6T"

heating capacity - 6,000 Btuh

sizes - 13-5/16" w x 20-3/8" h x 7-1/4" d

features - It is 99.9% efficient, has a 3-year full warranty, optional 2-year extended warranty. There is a built-in safety sensor, an oxygen depletion sensor. Thermostat does not require electricity. Will operate in power outages. Optional fan. Natural or LP gas.

* Wall-mounted installations should be 6,000 Btu or less in bathrooms. Always check local codes before installing a vent-free gas heater.

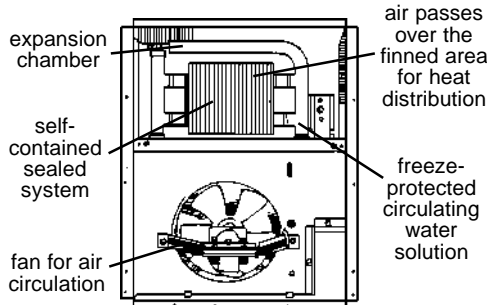
Electric Heater Sizing Guide

Determine Wattage Requirements

Climate	Moderate	Cold
Room Size	L x W x 10 = Watts Required	L x W x 15 = Watts Required
Example	10' x 10' x 10 = 1000 Watts	10' x 10' x 15 = 1500 Watts

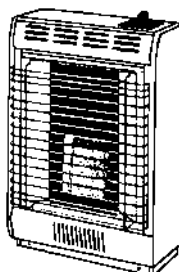
Calculations based on 8' ceiling, adequate insulation and no abnormally large windows.

Softheat Deluxe Fan-forced Wall Heater by Intertherm



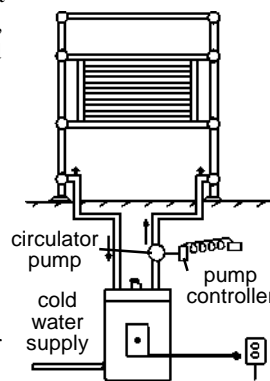
The Equator by Rinnai

- 99.9% energy efficient, vent-free
- Has a built-in safety sensor ODS — oxygen depletion sensor
- LP gas — 5,600 Btuh
- Natural gas — 6,000 Btuh
- Wall mount or free-standing
- Runs in power outages



2-Gallon Mini-Electric Water Heat Connection for Towel Warmer by Myson

- 1) Connect the towel warmer to the heater as shown. The circulator pump should be installed on the hot water discharge of the mini heater. The return is connected to a return port on the mini heater or it may be joined with the cold water supply. A shutoff valve should be installed on the cold water supply. Install a pressure relief valve on the mini heater.
- 2) Open the towel warmer air vent using the vent key provided, and fill the towel warmer and mini-heater with water by opening the water supply valve. Close the air vent and supply valve and allow the water to circulate. Venting may be required several times initially in order to remove all of the trapped air.
- 3) Control the circulator pump using a thermostat, timer or manual switch.



Manufacturers of High-Efficiency Electric Bathroom Heaters

Company Address Telephone No.	Type of Heater/Mounting	Model	Wattage	Housing Dimensions
BROAN PO Box 140 Hartford, WI 53027 (800) 548-0790 (905) 670-2500	fan-forced wall	Comfort-Flo 170	500/1000*	10-1/4" w x 7-3/4" h x 3-3/4" d
		Comfort-Flo 174	750/1500*	
	heater/fan/light ceiling	655 - 70 cfm	1300	14-1/4" l x 8-1/4" w x 5-3/4" h
		659 - 50 cfm	1300	
		695 - 100 cfm	1300	
	heater/fan/light/night light ceiling	730 - 70 cfm	1500	14-1/8" l x 8-1/4" w x 6-1/4" h
		735 - 70 cfm	1500	
	infrared bulb heater/fan ceiling	162	250	8-1/8" l x 8-3/8" w x 6-3/8" h
		164	500	14-1/8" l x 8-3/8" w x 6-3/8" h
	surface-mount radiant ceiling	154	1250	2-3/4" d x 11" diameter
		157	1250	
	register-style	120	500/1000*	10-1/4" w x 7-3/4" h x 3-3/4" d
		124	750/1500*	
	under-cabinet	112	750/1500	18" w x 3-5/8" h x 12" d

Features - A white enamel finish is standard for the Comfort-Flo series, but a grille kit is available in polished chrome or polished brass. It has a front-mounted, built-in adjustable thermostat. It can be recessed between wall studs or surface-mounted with optional mounting kit. The fan-forced ceiling-mounted heaters are combination units. The fan and heater function independently or together. There is a built-in damper to prevent backdrafts. There are two-and three-function rocker switches available in white or ivory. The wall plates are white, ivory, polished brass or polished chrome. Model 735 has a polished brass finish grille with a solid oak frame and Model 730 has a chrome finish stainless steel grille. It uses a 120-watt light bulb and a 7-watt night light. A four-function wall-mounted control is included. The infrared bulb heaters use 250-watt R40 size infrared bulbs. The fan can be operated independently or with the bulb heaters. The surface-mount ceiling heaters mount to any standard 3/4" or 3/2" round, or 4" octagonal ceiling electrical box. It has a built-in fan and has automatic overheat protection. Model 157 has an enclosed element. The register-style heater operates from a wall-mounted thermostat. The louvers direct air downward for even heat distribution. It mounts easily between studs. The under-cabinet heater has a built-in thermostat. Accessories available include - wall thermostats with a temperature range of 50°F to 85°F. There are also time controls that will operate for a set period up to 15 minutes, 60 minutes or 12 hours.

CADET MFG. CO. 2500 W. 4th Plain Blvd. Vancouver, WA 98660 (800) 442-2338	fan-forced wall	Com-Pak Plus XC101	1000	6-7/8" w x 11-1/2" h x 4" d
		Com-Pak Plus XC151	1500	
		SLC101	1000	15-3/4" w x 10-3/4" h x 4" d
		SLC121	1250	
		SLC151	1500	
	radiant wall	RBC101	1000	10" w x 16-3/4" h x 4" d
		RBC121	1250	
	register-style	Register Plus ZC101	1000	12-5/8" w x 5-7/8" h x 4" d
		Register Plus ZC151	1500	
	under-cabinet	The Perfectoe TK101	1000	14-1/2" w x 3-1/2" h x 8-1/4" d

Features - The Compak-Pak Plus heaters are available with brass, chrome, white or almond grilles. The units can be installed in the ceiling. A built-in thermostat is optional. If the heater becomes blocked it will turn off and the indicator light will shine through the grille louvers to alert you to remove any obstruction. There are adapter plates available in three sizes to cover most openings if you need to replace old heaters. The SL series has an optional built-in thermostat and a white powder-coat paint finish. The RB series radiant heater has twin parabolic reflectors for instant infrared heat. There is a built-in on/off switch and the grille is made of stainless steel. The Perfectoe heater is available in a black or a white finish.

INTERTHERM 1801 Park Dr., Box 46911 St. Louis, MO 63146 (314) 878-6200	fan-forced wall	Softheat WAA-1000-4	1000	14-3/8" w x 18-3/8" h x 3-1/2" d
		Select WRA-1000T	1000	12" w x 15" h x 3-5/8" d
		Select WRA-1500T	1500	
		Select WRA-2000T	1920	
	register-style	Select BRH-1500	750/1500*	10-1/4" w x 7-3/4" h x 3-3/4" d
		BWH-1500-T	750/1500*	
	under-cabinet	Softheat UCGA-1000-4	1000	22" w x 3-1/2" h x 14" d
		Softheat UCGA-1000-7	1000	
		Select UCRA-1000	1000	18" w x 3-5/8" h x 12" d
		Select UCRA-1500	1500	
		Select UCRA-1000T	1000	

Features - The Softheat fan-forced wall-mounted unit has a built-in thermostat and has a five-year limited warranty. The Softheat units have a self-contained and sealed hot-water system. The water will not freeze if it is left in an unheated area. The water circulates in a continuous cycle and continues to circulate and give off heat when the element is shut off. The unit will automatically shut down if the water becomes overheated. The units use 240 volts. There are several wall-mounted thermostats available including one with a 7-day setback.

* These heaters are factory wired and can be easily converted to half-wattage.

Manufacturers of High-Efficiency Electric Bathroom Heaters

Company Address Telephone No.	Type of Heater/Mounting	Model	Wattage	Housing Dimensions
NUTONE Madison and Red Bank Rds. Cincinnati, OH 45227 (800) 543-8687 (513) 527-5100	fan-forced wall	9810	1000	10-1/2" w x 12-1/2" h x 3-3/8" d
		9815	1500	
		9819	1920	
	infrared wall	9356	1200	10-1/16" w x 18-1/8" h x 3-1/2" d
		9358	1500	
	heater/fan/light ceiling	605 - 70 cfm	1500	14-5/8" l x 7-7/8" w x 5-5/8" d
	heater/fan/light/night-light ceiling	QT-9093 - 100 cfm	1500	16-1/2" l x 9-3/4" w x 7-3/4" d
		Heat-A-Ventlite - 70 cfm	1500	7-1/2" d x 13-1/4" diameter
	infrared bulb heater ceiling	Heat-A-Vent - 1 bulb	250	12-1/2" w x 10" h x 6-7/8" d
		Heat-A-Vent - 2 bulb	500	17-1/8" w x 10-1/8" h x 7-1/2" d
	infrared bulb ceiling	Heat-A-Lamp - H910W	250	8-3/4" h x 6" diameter
	surface-mount radiant ceiling	9294T	1250	3" d x 10" diameter
	register-style	9315T	750/1500	11" w x 8-1/8" h x 3-3/8" d
	under-cabinet	9515	750/1500	17-1/8" w x 3-5/8" h x 12-1/8" d

Features - The Heat-A-Ventlite is available in a chrome, polished brass, antique brass or white enamel finish. The units are equipped with a wall switch with separate on/off controls for all four functions. They can be used together or independently. It uses a 100-watt bulb and a 7-watt night light. Model 9093FWH uses a 26 watt fluorescent light. Model QT-9093 is extra quiet with a sone rating (sound level) of 2.5 and a cfm of 100. There are models available that do not have fans. Model 605 is made to easily fit into a 2x6 beam. Heat-A-Lamp has a swivel base that lets you direct heat where desired.

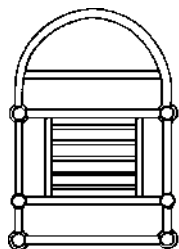
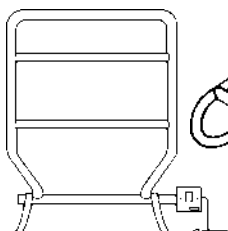
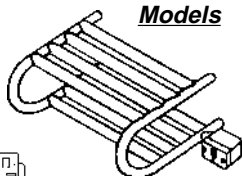
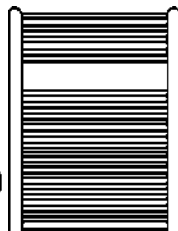
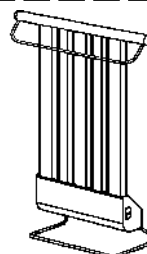
PATTON - RIVAL CO 800 E. 101 Terrace Kansas City, MO 64131 (800) 334-4126	fan-forced wall	1535	1500	9-1/4" w x 14-1/2" h
		B2451	1500	11-1/8" w x 14-3/8" h
	heater/fan/light ceiling	1100W - 70 cfm	1250	12-1/8" d x 12-3/4" diameter
		794 - 70 cfm	1320	14-1/8" l x 7-1/2" w x 8-1/4" d
		A692WF - 70 cfm	1320	14-5/16" l x 8-1/2" w x 8-1/4" d
		691W - 70 cfm	1320	14-1/8" l x 7-1/2" w x 8-1/4" d
		A692W - 70 cfm	1500	
	heater/fan/light/night-light ceiling	659 - 70 cfm	1320	9" l x 7-3/4" w x 9-5/8" d
	infrared bulb heater ceiling	B560	375	
		B660W	750	14" l x 7-3/4" w x 5-3/4" d
	recessed ceiling	1233	1500	14-1/2" l x 9-1/4" w
	surface-mount radiant ceiling	1250	1250	3" d x 10" diameter
	under-cabinet	2450	500	22-3/8" l x 3-5/8" w

Features - Several of the heaters have a lifetime warranty. Model 1535 has an almond, brass or white finish. B2451 has a positive off switch that allows the heater to be electrically disconnected for complete seasonal shutdown. The wall heaters can be recessed or surface-mounted with an optional surface-mount adapter. Model 1100W has a heater that can circulate warm air into the room as moist air is exhausted. It has a Lexan lens with 100-watt lamp capacity, a 4" round discharge with automatic back draft damper and a 3-way wall control for separate operation of each function. The bulb heaters use R-40 lamps and they are equipped with a ventilator. A692W uses 13-watt twin tube fluorescent lamps. The combination model 659 uses two 100-watt bulbs and a 7-watt night light. The combination light/heaters are for 65 sq. ft. bathrooms. There are 2 and 3-toggle bath fan control switches available with a white finish. Model 1250 is a radiant heater with a built-in reflector that directs the heat rays downward. There are wall-mounted thermostats.

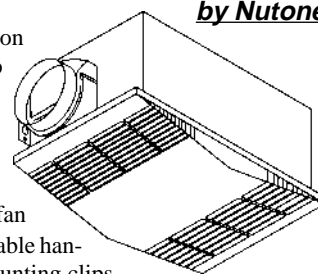
Q MARK (DIV. OF MARLEY ELECTRIC) 70 Beauty Spot Rd., E. Bennettsville, SC 29512 (803) 479-4006	fan-forced wall	AFA-0500-IF	500	9-1/8" w x 11" h x 3-1/2" d
		AFA-0750-IF	750	
		AFA-1000-IF	1000	
		AFA-1500-IF	1500	
		AFA-1000-T2	1000/500*	
		AFA-1500-T2	1500/750*	
		GFR1500	375/750/1125/1500	14-3/8" w x 7-3/4" h x 6-5/8" d
		GFR1500T2		
	register-style	QVP1222	750	12-5/8" w x 7-3/4" h x 4" d
	under-cabinet	QTS1100	1125/563	14-1/8" w x 3-5/8" h x 8-7/8" d
		QTS1500T	1500/750	

Features - The AFA series is designed for installation in standard 2x4 wall sections. Can be surfaced-mounted or semi-recessed 1" or 2" with optional mounting kits. The thermal overheat protector disconnects power in case of overheating. The grille front cover has rounded corners with a white finish. GFR can be operated by a built-in or a wall-mounted thermostat. They are equipped with an automatic overtemperature protector that guards against overheating. A pilot light indicates the protector has operated. There are digital thermostats in a beige or white finish that have a temperature range of 59°F to 86°F.

*These heaters are factory wired and can be easily converted to half-wattage.

Manufacturers of Towel Warmers**DOMOTECK, INC.**, 176 Abbeywood Circle, Suite 100, Streamwood, IL 60107 - (800) 875-5285 (630) 736-3136model - "Towel Warmer" type - electric — hardwire wattage - 33 • 65 • 88 wattssizes - 27 $\frac{3}{4}$ " h x 22" w • 33" h x 24" w • 30" h x 16" w • 13 $\frac{3}{4}$ " h x 16" w • 24" h x 28" wfeatures - The units come with a 7-foot lead wire for connection. They can be hard wired to an on/off switch, timer or light switch. The units warm up in less than 5 minutes. The units are available with a chrome or white finish. The chrome warmers are made with tubular bars $\frac{3}{4}$ " in diameter. One unit has a glass tray on top for placing shampoo or other toiletries. The glass tray is 16" wide and 8 $\frac{1}{2}$ " long. There is a white tubular swivel warmer that can rotate on its vertical axis. The warmers have three, four, six or seven towel bars.**EPANEL**, PO Box 115, Pennington, NJ 08534 - (609) 466-1172model - "Wrapture" type - electric — plug-in and hardwire wattage - 320 wattssizes - 26 $\frac{1}{2}$ " h x 23 $\frac{1}{4}$ " w x 3 $\frac{1}{2}$ " d • 29 $\frac{1}{2}$ " h x 25" w x 3 $\frac{1}{2}$ " d • 26 $\frac{1}{2}$ " h x 24" w x 3 $\frac{3}{4}$ " d • 38" h x 25" w x 9 $\frac{1}{4}$ " d • 37" h x 25" w x 10" d • 37 $\frac{1}{2}$ " h x 23 $\frac{1}{4}$ " w x 10" d • 37 $\frac{1}{2}$ " h x 24 $\frac{1}{2}$ " w x 10" dfeatures - There are 6 floor models and 10 wall mounted models. There are built-in thermostatic controls. The thermostat automatically turns off at 155°F and back on at 115°F. A 24-hour programmable timer can be set to turn on or off in 15 minute increments. A clock can be programmed to turn on 15 to 30 minutes before warm towels are needed, and automatically turned off at a preselected time. A red light glows when the unit is plugged in and a green light indicates the heaters are warm. The warm-up time is approximately 15 minutes. The towel warmers have a finish in brass, chrome and a combination of brass and oak and chrome and oak.**HINGE-IT CORP.**, 3999 Millersville Rd., Indianapolis, IN 46205 - (800) 284-4643 (317) 542-9514model - "Eurorack" type - electric — plug-in and hardwire wattage - 70 wattssizes - 63" h x 22" wfeatures - This towel warmer attaches to a door hinge by popping the hinge pin and dropping it in the adjustable brackets. It hides behind the open door and swings freely, independent of the door. The unit heats to 150°F. It is a one-piece $\frac{3}{4}$ " diameter tubular towel rack available in polished brass, polished stainless steel, off white, white and weathered bronze (soft green) finishes. Oak wall mounts are available. There is a portable self-standing model and an unheated model.**MYSON, INC.**, 49 Hercules Dr., Suite 4904, Colchester, VT 05446 - (800) 698-9690model - "Premier" • "Classic" type - hydronic • electric — plug-in and hardwire wattage - 100 • 140 • 165 • 200 • 300 sizessizes - 27 $\frac{1}{4}$ " h x 30" w x 5 $\frac{5}{8}$ " d • 33 $\frac{1}{4}$ " h x 36" w x 5 $\frac{5}{8}$ " d • 41" h x 27 $\frac{1}{4}$ " w x 4 $\frac{7}{8}$ " d • 37 $\frac{5}{8}$ " h x 29 $\frac{5}{8}$ " w x 5 $\frac{5}{8}$ " d • 33 $\frac{1}{2}$ " h x 25 $\frac{1}{4}$ " w x 4 $\frac{1}{2}$ " d • 33 $\frac{1}{2}$ " h x 33" w x 4" d • 33 $\frac{1}{2}$ " h x 23" w x 4" d • 24 $\frac{1}{4}$ " h x 23" w x 4" d • 6 $\frac{3}{4}$ " h x 27 $\frac{5}{8}$ " w x 12" d • 6 $\frac{3}{4}$ " h x 21 $\frac{5}{8}$ " w x 12" d — many more sizes are availablefeatures - The towel warmers are hand-built and backed by a 5-year warranty. The warmers are made from de-zinc brass tubing. There are floor-mounted, wall-mounted and portable styles. There are many standard and custom colors to choose from or you can choose finishes in chrome, brass, satin nickel or a 22 carat gold plate. The metals can also be mixed with the colors. There are multi-rail add-on racks. The electric models come with a wire encasement kit in a matching finish. The towel warmer tubes are oil filled and permanently sealed for safe heating. The electric warmers have a built-in thermostat and they warm to 145°F in 30 minutes. The on/off switch is back-lit so you can see when the warmer is in operation. The units come with a remote timer or thermostat.**RADIANT TECHNOLOGY**, 11A Farber Dr., Bellport, NY 11713 - (800) 784-0234 (516) 286-0900model - "Radiant-Rack" type - hydronic wattage - not applicable sizessizes - 30" h x 20" w • 30" h x 30" w • 48" h x 24" wfeatures - It is made from chrome plated aluminum and comes in a pure white finish. This is a wall mount radiator/towel heater. It includes mounting hardware and an air vent.**RUNTAL NORTH AMERICA, INC.**, 187 Neck Rd., Ward Hill, MA 01835 - (800) 526-2621model - "Omnipanel" type - hydronic • electric — plug-in and hardwire wattage - 425 • 700 wattssizes - 26" h x 24" w • 35" h x 24" w • 44" h x 24" w • 26", 35", 44", 52" or 61" h x 20", 24", 30" or 36" wfeatures - Standard colors are white, cream white, wine red, lilac pink, glacier grey, elfin beige and almond. Designer colors are teal, lemon yellow, platinum, black or red. Choose a polished chrome finish or custom colors. Accents are interchangeable panel covers, made of solid brass and finished in your choice of colors, polished brass or polished chrome. Optional accessories include 4-bar towel rack, single towel bar or 3-knob towel holder. Also available is the Heritage Omnipanel that can be used to warm or dry out your coats. There are three self-contained electric units and one hydronic model. One unit has the controls on the unit — off/low/medium/high.**WARMATOWEL (DIV. OF SUSSMAN)**, 43-20 34th St., Long Island City, NY 11101 - (800) 767-8326 (718) 937-4500model - "Warmatowel" type - electric — plug-in and hardwire wattage - 840 watts sizessizes - 32" h x 22" w x 5 $\frac{1}{8}$ " d • 32" h x 28" w x 5 $\frac{1}{8}$ " d • 30" h x 22" w x 10" d • 30" h x 28" w x 10" dfeatures - A 24-hour programmable timer has an auto mode that allows you to personalize your own daily schedule and allows for multiple daily settings. The on or off settings provide manual control for extended absences or for any special circumstance. It is standard with the wall-mounted models or can be ordered for the floor models. The towels can be warmed in approximately 30 minutes. The finishes available are chrome, white, brass, or combinations of chrome and brass and brass and white. Other finishes may be available upon request. The floor models simply plug into any standard outlet.**Several Styles of Towel Warmers****Premier EB29****EO100 Portable****Classic ES40****Multirail****Warmatowel Floor Model**

- Installs in compact 2x6 construction
- Light lens snaps on and off for bulb replacement
- Fast-warming 1500 watt fan-forced heat
- 70 cfm exhaust fan
- Four-way adjustable hanging bars and mounting clips

**Heat-A-Ventlite by Nutone**